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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

JANUARY 1937

U. S. Department of Agriculture

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Growing and feeding grain sorghums. J. H. Martin and J. S. Cole, Bureau of Plant Industry, and A. T. Semple, Bureau of Animal Industry. 46 p., illus. (F. B. 1764F.) Price, 10¢.

Guides for buying sheets, blankets, and bath towels. Bess M. Viemont, Margaret B. Hayes, and Ruth O'Brien, Bureau of Home Economics. 28 p., illus. (F. B. 1765F.) Price, 5¢.

Soil defense in the Piedmont. E. M. Rowalt, in collaboration with subject-matter specialists of the Soil Conservation Service. 63 p., illus. (F. B. 1767F.) Price, 15¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Controlling lungworms of swine. Benjamin Schwartz, Bureau of Animal Industry. 5 p., illus. (Leaf. 118L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Selenium occurrence in certain soils in the United States with a discussion of related topics—Second report. Horace G. Byers, Bureau of Chemistry and Soils. 79 p., illus. (T. B. 530T.) Price, 10¢.

Neutralization curves of the colloids of soils representative of the great soil groups. M. S. Anderson and Horace G. Byers, Bureau of Chemistry and Soils. 39 p., illus. (T. B. 542T.) Price, 10¢.

Soil conservation reconnaissance survey of the southern Great Plains wind-erosion area. Arthur H. Joel, Soil Conservation Service. 68 p., illus. (T. B. 556T.) Price, 25¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Market classes and grades of calves and vealers. Don J. Slater and M. T. Foster, Bureau of Agricultural Economics. 32 p., illus. (Cir. 28C., rev.) Price, 10¢.

The Houma potato: A new variety. C. F. Clark and F. J. Stevenson, Bureau of Plant Industry; and J. C. Miller, Louisiana Agricultural Experiment Station. 4 p., illus. (Cir. 420C.) Price, 5¢.

DEPARTMENT CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletins. The series ended in 1927 and is succeeded by the Circular series.

Tuberculin testing of livestock. Elmer Lash, Bureau of Animal Industry. 18 p., illus. (D. C. 249D., rev.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

List of publications of the United States Department of Agriculture from January 1931, to December 1935, inclusive. Supplementary to Miscellaneous Publications Nos. 9 and 153. Mabel G. Hunt, Office of Information. 64 p. (M. P. 252M.)

A graphic summary of farm tenure (based largely on the Census of 1930 and 1935). H. A. Turner, Bureau of Agricultural Economics. 52 p., illus. (M. P. 261M.) Price, 10¢.

OTHER PUBLICATIONS

Measurement of precipitation. Instructions for the measurement and registration of precipitation by means of the standard instruments of the United States Weather Bureau. Revised, 1936. Benjamin C. Kadel, Weather Bureau. 25 p., illus. (W. B. 771WB.) Price, 10¢.

Report of the Chief of the Soil Conservation Service, 1936. H. H. Bennett. 52 p. Price, 10¢.

The use book. A manual of information about the national forests. Grazing section. Revised, 1936. 113 p. Price, 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Order regulating the handling of anti-hog-cholera serum and hog-cholera virus and approved marketing agreement for handlers of anti-hog-cholera serum and hog-cholera virus. Effective December 7, 1936. Bureau of Animal Industry. 28 p. (B. A. I. Order 361.)¹

Bureau of Animal Industry, Service and Regulatory Announcements. December 1936; pp. 121-132. (S. R. A.-B. A. I. 356.) Price, 5¢.²

Regulations for carrying into effect the Process or Renovated Butter Act. Bureau of Dairy Industry. 7 p. (B. D. I. Order no. 1, rev.)¹

Notice of lifting of quarantine no. 53. Satin moth quarantine. Effective November 2, 1936. Bureau of Entomology and Plant Quarantine. 1 p. (B. E. P. Q.-Lifting Q 53.)¹

Amendment of regulations governing the entry of potatoes into the United States. Effective December 1, 1936. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Potato Regs.)¹

Modification of pink bollworm quarantine regulations. Effective December 1, 1936. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Q 52.)¹

Modification of Mexican fruit worm quarantine regulations. Effective November 16, 1936. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-64.)¹

Bureau of Entomology and Plant Quarantine, Service and Regulatory Announcements. July-September 1936. Pp. 95-150. (S. R. A.-B. E. P. Q. 128.)¹

Notices of Judgment under the Caustic Poison Act. Food and Drug Administration. 6 p. (N. J., C. P. 41-55.)¹

Notices of Judgment under the Insecticide Act. Food and Drug Administration. Pp. 275-299. (N. J., I. F. 1451-1490.)¹

Notice of Judgment under the Regulations of the Naval Stores Act. Food and Drug Administration. 1 p. (N. J., N. S. no. 12.)¹

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no 1, January 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

Crops and markets. Vol. 13, no. 12, December 1936. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 76, no. 1, January 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.²

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 7, no. 12, December 1936. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

—Vol. 53, no. 9. November 1, 1936. Illus.

Contents:

- Histological and cytological changes in sugar-beet seedlings affected with curly top (G-1027). Ernst Artschwager and Ruth C. Starrett.
- Relative susceptibility of certain species of Gramineae to *Cercospora herpotrichoides* (G-1031). Roderick Sprague.
- Intraspecific and interspecific aversion in *Diplodia* (G-1036). Paul E. Hoppe.
- The effect of storage upon the vitamin A content of alfalfa hay (Ariz.-11). Margaret Cammack Smith.
- Phytophthora root rot of cauliflower (Calif.-78). C. M. Tompkins, C. M. Tucker, and M. W. Gardner.
- A subirrigation method of supplying nutrient solutions to plants growing under commercial and experimental conditions (Ind.-26). Robert B. Withrow and J. P. Blebel.
- Role of insects in the distribution of cotton wilt caused by *Fusarium vasinfectum* (Tex.-15). J. J. Taubenhaus and L. Dean Christenson.
- Relation of the carotene content of certain feed materials to their vitamin A potency (Tex.-16). C. S. Fraps, Ray Treichler, and A. R. Kemmerer.

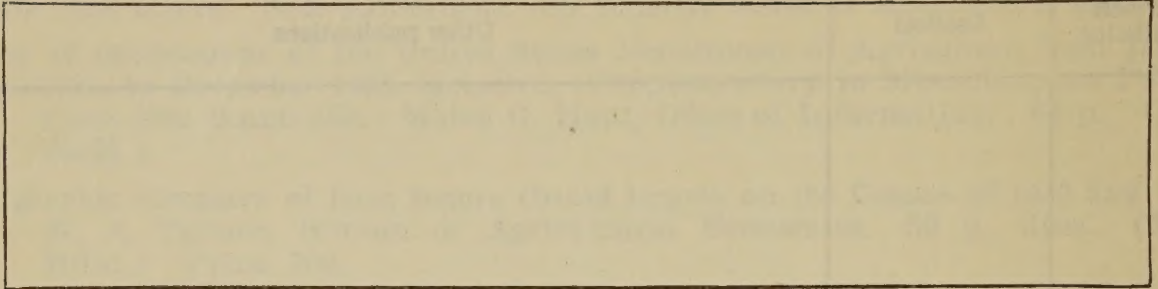
² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

U. S. DEPARTMENT OF AGRICULTURE
OFFICE OF INFORMATION

WASHINGTON, D. C.

OFFICIAL BUSINESS

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Journal of agricultural research. Vol. 53, no. 10. November 15, 1936. Illus.

Contents:

- Influence of environment during maturation on the disease reaction and yield of wheat and barley (G-1033). B. B. Bayles.
- Variability of fiber length in a relatively uniform strain of cotton (G-1034). T. R. Richmond and H. J. Fulton.
- Nitrogen utilization by *Ophiobolus graminis* (G-1039). Hurley Fellows.
- The insecticidal action of acid lead arsenate on the larvae of the Japanese beetle in different types of soil (K-276). Walter E. Fleming, Francis E. Baker, and Louis Koblitsky.
- Influence of black point disease, seed treatment, and origin of seed on stand and yield of hard red spring wheat (N. Dak.-14). L. R. Waldron.
- The influence of commercial fertilizers, potassium iodide, and soil acidity on the iodine content of certain vegetables (Pa.-55). Warren B. Mack and Eugene P. Brasher.

Monthly weather review. Vol. 64, no. 10, October 1936. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 17, no. 10, December 1936; no. 11, January 1937. Price, 10¢ a copy.²

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 2, no. 7, January 1937. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 1-4, January 5-26, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

FEBRUARY 1937

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FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The locoweed disease. C. Dwight Marsh, A. B. Clawson, and W. W. Eggleston. Revised by A. B. Clawson. 33 p., illus. (F. B. 1054F., rev.) Price, 5¢.

Planting and care of street trees. Furman Lloyd Mulford, Bureau of Plant Industry. 29 p., illus. (F. B. 1209F., rev.) Price, 5¢.

Seed peas for the canner. D. N. Shoemaker and B. L. Wade, Bureau of Plant Industry. 17 p., illus. (F. B. 1253F., rev.) Price, 5¢.

The dasheen: A southern root crop for home use and market. Robert A. Young, Bureau of Plant Industry. 38 p., illus. (F. B. 1396F., rev.) Price, 10¢.

High-grade alfalfa hay: Methods of producing, baling, and loading for market. Edward C. Parker and W. H. Hosterman, Bureau of Agricultural Economics. 30 p., illus. (F. B. 1539F., rev.) Price, 5¢.

Preparation of bunched beets, carrots, and turnips for market. William E. Lewis, Bureau of Agricultural Economics. 20 p., illus. (F. B. 1594F., rev.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

The sweetpotato weevil and how to control it. K. L. Cockerham, Bureau of Entomology and Plant Quarantine. 6 p., illus. (Leaf. 121L.) Price, 5¢.

Although this weevil is the most important and destructive insect pest attacking the sweetpotato crop, serious damage can be prevented by following the recommendations for its control given in this leaflet.

The farmer's share of the consumer's food dollar. Bureau of Home Economics. 6 p., illus. Leaf. 123L.) Price, 5¢.

In preparing this leaflet, the best available figures have been brought together from different sources. They answer the consumer's questions rather better than they do the farmers'. In neither case do they give exact information but they are suggestive and significant.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Bud selection in Eureka and Lisbon lemons and progeny tests of bud variations. A. D. Shamel, C. S. Pomeroy, and R. E. Caryl, Bureau of Plant Industry. 44 p., illus. (T. B. 531T.) Price, 10¢.

This bulletin contains the results of some of the performance-record studies of these progeny propagations and deals primarily with the degree of perpetuation of the characteristics of the outstanding variations.

Growth of Douglas fir trees of known seed source. Thornton T. Munger and William G. Morris, Forest Service. 40 p., illus. (T. B. 537T.) Price, 10¢.

The conclusions presented here should not be taken as wide generalizations; they apply only under the specific growing conditions affecting the parent trees and plantations of the study.

Methods for the measurement of certain character properties of raw cotton. Howard B. Richardson, T. L. W. Bailey, Jr., and Carl M. Conrad, Bureau of Agricultural Economics. 77 p., illus. (T. B. 545T.) Price, 15¢.

The detailed technique for measuring these fiber properties and expressing the results have been worked out in such a way as to provide not only the required specifications, but also the necessary detailed information for those who desire to use them.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Parasites and predators of the Mexican bean beetle in the United States. N. F. Howard and B. J. Landis, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 418C.) Price, 5¢.

This circular contains a considerable list of natural enemies of the Mexican bean beetle accumulated through its longer establishment in certain areas and more careful observation by entomologists, and a brief description of these natural enemies.

A method for the control of cotton root rot in the irrigated Southwest. C. J. King, Bureau of Plant Industry. 10 p., illus. (Cir. 425C.) Price, 5¢.

It has been estimated that cotton root rot causes crop losses in Texas amounting to 100 million dollars annually. In seven other States in which it occurs it effects annual losses which probably exceed 50 million dollars.

Emergency wind-erosion control. Glenn K. Rule, Soil Conservation Service, in collaboration with subject-matter specialists. 11 p., illus. (Cir. 430C.) Price, 5¢.

During the last 5 years soil drifting and dust storms have occurred in the Great Plains more frequently and with greater severity than at any time since occupation by farmers. The Plains farmer can either protect the fields from being overgrazed or burned, or he can have his unprotected fields roughened before the soil starts drifting.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

New York, Broome County. (No. 11, series 1932.) 40 p., illus. Price, 30¢.

Virginia, Augusta County. (No. 13, series 1932.) 46 p., illus. Price, 40¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry, service and regulatory announcements. Index, January-December 1936. Pp. 133-135; January 1937. Pp. 1-12. (S. R. A., B. A. I. 357.) Price, 5¢.¹

Notices of Judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 403-436 (N. J., F. D. 25801-25850), Drugs; pp. 437-479 (N. J., F. D. 25851-25950), Foods; pp. 481-503 (N. J., F. D. 25951-26000), Foods; pp. 1-48 (N. J., F. D. 26001-26105), Foods; pp. 49-88 (N. J., F. D. 26106-26175), Drugs.²

OTHER PUBLICATIONS

First aid for flooded homes and farms. 16 p.

Prepared to assist those who are returning to homes and farms that have been flooded. The information here presented has come from several bureaus in the Department of Agriculture and from State agricultural colleges that have had experience in rehabilitation work following floods.

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Farmers' Bulletins	Leaflets	Other publications

List of available publications of the United States Department of Agriculture, January 2, 1937. Arranged by subjects. F. L. Zimmerman, Office of Information. 191 p. (M. P. 60M., rev.)

Topsoil: Its preservation. Soil Conservation Service. 22 p., illus. Price, 10¢.
Shows how soil losses may be averted through better cropping systems, changes in tillage practices, terracing, strip cropping, contour farming, contour furrowing in pastures, gully control, and by retiring badly eroded land to trees or grass.

Wheat futures. Volume of trading, open commitments, and prices from January 3, 1933, to December 31, 1935. Prepared by the Commodity Exchange Administration. (Formerly the Grain Futures Administration.) 108 p. Price, 15¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no. 2, February 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹
A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Daily weather maps. Limited editions. Not for general distribution.
Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 74. Index number. January-June 1936; vol. 76, no. 2, February 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.²
A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 8, no. 1, January 1937. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²
Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.
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Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. (Separates) 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

— Vol. 53, no. 11. December 1, 1936. Illus.

Contents:

- A cytological study of *Erysiphe polygoni* on *Delphinium* (G-1030). Ruth F. Allen.
- Hybrid vigor and growth rates in a maize cross and its reciprocal (G-1038.) G. F. Sprague.
- The optical rotatory power of extracts of derris and cube roots (K-278). Howard A. Jones.
- Relative toxic action of phenol and phenyl mercaptan, when the goldfish is used as the test animal (K-279). W. A. Gersdorff.
- The physiology of *Rhizopus oryzae* (E-68). L. B. Lockwood, G. E. Ward, and O. E. May.
- Chemical composition and fermentation studies of citron (Mass.-47). C. R. Fellers and E. G. Smith.
- Effect of fertilizer on quality and chemical composition of canning peas (Wis.-80). F. L. Musbach and Otto E. Sell.

— Vol. 53, no. 12, December 15, 1936. Illus.

Contents:

- Developmental morphology of the Caryopsis in maize (G-1035). L. F. Randolph.
- Resistance to bacterial wilt of open-pollinated varieties of sweet, dent, and flint corn (Wis.-78). S. S. Ivanoff.
- Resistance to bacterial wilt of inbred strains and crosses of sweet corn (Wis.-79). S. S. Ivanoff and A. J. Riker.

Monthly weather review. Vol. 64, no. 11, November 1936. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Soil conservation. Vol. 2, no. 8, February 1937. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 5-8, February 2-23, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.²

² These may be obtained from the issuing bureau.

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MARCH 1937

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These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

- Preparation of fresh tomatoes for market. Raymond L. Spangler, Bureau of Agricultural Economics. 42 p., illus. (F. B. 1291F., rev.) Price, 5¢.
- Diseases and insects of garden vegetables. W. W. Gilbert, Bureau of Plant Industry, and C. H. Popenoe, Bureau of Entomology and Plant Industry. Revised by W. W. Gilbert and D. J. Caffrey, Bureau of Entomology and Plant Quarantine. 58 p., illus. (F. B. 1371F., rev.) Price, 10¢.
- Control of insect pests in stored grain. E. A. Back and R. T. Cotton, Bureau of Entomology and Plant Quarantine. 36 p., illus. (F. B. 1483F., rev.) Price, 5¢.
- Harvesting and handling citrus fruits in the Gulf States. J. R. Winston, Bureau of Plant Industry. 38 p., illus. (F. B. 1763F.) Price, 5¢.
- Dairy cattle judging. A. B. Nystrom, Bureau of Dairy Industry. 30 p., illus. (F. B. 1769F.) Price, 5¢.
- High-grade timothy and clover hay: Methods of producing, baling, and loading for market. E. O. Pollock and W. H. Hosterman, Bureau of Agricultural Economics. 17 p., illus. (F. B. 1770F.) Price, 5¢.
- Preventing soil blowing on the Southern Great Plains. E. F. Chilcott, Bureau of Plant Industry. 29 p., illus. (F. B. 1771F.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

- Crop rotation and tillage experiments at the Northern Great Plains Field Station, Mandan, N. Dak. J. T. Sarvis and J. C. Thysell, Bureau of Plant Industry. 75 p., illus. (T. B. 536T.) Price, 10¢.
- Effect of method and rate of grazing on beef production and plant population of pastures at Beltsville, Md. M. A. Hein and A. C. Cook, Bureau of Animal Industry. 35 p., illus. (T. B. 538T.) Price, 10¢.
- Structure, occurrence, and properties of compression wood. M. Y. Pillow and R. F. Luxford, Forest Service. 32 p., illus. (T. B. 546T.) Price, 10¢.
- Forest fire insurance in the Pacific Coast States. H. B. Shepard, Forest Service. 168 p., illus. (T. B. 551T.) Price, 20¢.
- Trace elements in the soils from the erosion experiment stations, with supplementary data on other soils. C. S. Slater, R. S. Holmes, and H. G. Byers, Bureau of Chemistry and Soils. 24 p. (T. B. 552T.) Price, 5¢.
- Rapid determination of oil content and oil quality in flaxseed. Lawrence Zeleny and D. A. Coleman, Bureau of Agricultural Economics. 40 p., illus. (T. B. 554T.) Price, 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

- A study of arsenical dusting of cabbage in relation to poison residues. Chas. E. Smith, W. J. Reid, Jr., P. K. Harrison, and C. O. Bare, Bureau of Entomology and Plant Quarantine; in cooperation with the Louisiana and South Carolina Agricultural Experiment Station. 8 p., illus. (Cir. 411C.) Price, 5¢.
- Land-improvement measures in relation to a possible control of the beet leaf-hopper and curly top. R. L. Piemeisel and J. C. Chamberlin, Bureau of Entomology and Plant Quarantine. 24 p., illus. (Cir. 416C.) Price, 5¢.
- The fir engraver beetle, a serious enemy of white fir and red fir. G. R. Struble, Bureau of Entomology and Plant Quarantine. 16 p., illus. (Cir. 419C.) Price, 5¢.
- Results of field crop, shelterbelt, and orchard investigations at the United States Dry Land Field Station, Ardmore, S. Dak., 1911-32. Oscar R. Mathews and Verner I. Clark, Bureau of Plant Industry. 48 p., illus. (Cir. 421C.) Price, 10¢.
- The house rat. James Silver, Bureau of Biological Survey. 19 p., illus. (Cir. 423C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

- Market diseases of fruits and vegetables: Peaches, plums, cherries, and other stone fruits. Dean H. Rose, D. F. Fisher, Charles Brooks, and C. O. Bratley, Bureau of Plant Industry. 27 p., illus. (M. P. 228M). Price, 20¢.
- Early erosion-control practices in Virginia. A. R. Hall, Soil Conservation Service. 31 p., illus. (M. P. 256M). Price, 10¢.
- A graphic summary of farm taxation. Donald Jackson, Bureau of Agricultural Economics. 17 p., illus. (M. P. 262M). Price, 5¢.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

- Corn futures; volume of trading, open commitments, and prices from January 3, 1933, to December 31, 1935. Prepared by the Commodity Exchange Administration (Formerly the Grain Futures Administration). 101 p. (S. B. 55SB). Price, 15¢.
- Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1934-35. Bureau of Agricultural Economics in cooperation with State agricultural agencies. 63 p. (S. B. 56). Price, 10¢.

OTHER PUBLICATIONS

- Federal legislation and rules and regulations relating to highway construction administered by the Bureau of Public Roads, United States Department of Agriculture. Compiled by Bureau of Public Roads. 139 p. Price, 15¢.
- On the front lines with agriculture. A report of extension work in agriculture and home economics in 1934. Prepared by the Extension Service. 80 p. Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

- Bureau of Animal Industry. Service and Regulatory Announcements. February 1937. Pp. 13-24. (S. R. A.-B. A. I. 358). Price, 5¢ each.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this blank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

Laws and regulations for the administration of the Wichita Mountains Wildlife Refuge, Oklahoma. Bureau of Biological Survey, Service and Regulatory Announcements. 11 p. (S. R. A.-B. S. 85).²

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 89-136. (N. J., F. D. 26176-26300) Foods.²

Standards under the Tea Act. Effective May 1, 1937. Food and Drug Administration, Service and Regulatory Announcements. (S. R. A. T. 11).²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no. 3, March 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

Crops and markets. Vol. 14, no. 2, February 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 76, no. 3, March 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.²

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 2, nos. 2 and 3, February and March 1937. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢ domestic; 20¢ foreign. Not distributed free to individuals.

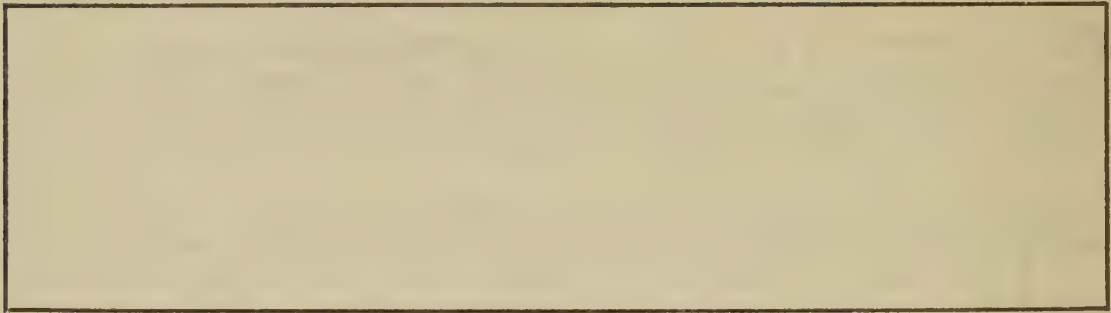
—Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

Ariz.—11. (In vol. 53, no. 9). The effect of storage upon the vitamin A content of alfalfa hay. Margaret Cammack Smith.

Calif.—78. (In vol. 53, no. 9). Phytophthora root rot of cauliflower. C. M. Tompkins, C. M. Tucker, and M. W. Gardner.

²These may be obtained from the issuing bureau.

OFFICIAL BUSINESS



3-37

- E-68. (In vol. 53, no. 11). The physiology of *Rhizopus oryzae*. L. B. Lockwood, G. E. Ward, and O. E. May.
G-1028. (In vol. 53, no. 8). Further studies on the relation of the curly top virus to plant tissues. C. W. Bennett and Katherine Esau.
G-1032. (In vol. 53, no. 7). *Zygosaccharomyces pini*, a new species of yeast associated with bark beetles in pines. Eugene C. Holst.
G-1034. (In vol. 53, no. 10). Variability of fiber length in a relatively uniform strain of cotton. T. R. Richmond and H. J. Fulton.
G-1036. (In vol. 53, no. 9). Intraspecific and interspecific aversion in *Diplodia*. Paul E. Hoppe.
G-1038. (In vol. 53, no. 11). Hybrid vigor and growth rates in a maize cross and its reciprocal. G. F. Sprague.
Ill.-64. (In vol. 53, no. 6). The development of the wheat spike. O. T. Bonnett.
K-276. (In vol. 63, no. 10). The insecticidal action of acid lead arsenate on the larvae of the Japanese beetle in different types of soil. Walter E. Fleming, Francis E. Baker, and Louis Koblitzky.
K-278. (In vol. 53, no. 11). The optical rotatory power of extracts of derris and cube roots. Howard A. Jones.
K-279. (In vol. 53, no. 11). Relative toxic action of phenol and phenyl mercaptan, when the goldfish is used as the test animal. W. A. Gersdorff.
Kans.-80. (In vol. 53, no. 7). Reproductive capacity of female rats as affected by kinds of carbohydrates in the ration. C. H. Whitnah and Ralph Bogart.
Mass.-47. (In vol. 53, no. 11). Chemical composition and fermentation studies on citron. C. R. Fellers and E. G. Smith.
Tex.-16. (In vol. 53, no. 9). Relation of the carotene content of certain feed materials to their vitamin A potency. G. S. Fraps, Ray Treichler, and A. R. Kemmerer.
Wis.-80. (In vol. 53, no. 11.) Effect of fertilizer on quality and chemical composition of canning peas. F. L. Musbach and Otto E. Sell.

Journal of agricultural research. Vol. 54, no. 1. January 1; no. 2, January 15; no. 3. February 1, 1937. Illus.

Monthly weather review. Vol. 64, no. 12, December 1936. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 17, no. 12, February 1937. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Soil conservation. Vol. 2, no. 9, March 1937. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 9-12, March 2-23, 1937. Price 50¢ a year, domestic; \$1 a year, foreign.²

² These may be obtained from the issuing bureau.

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MONTHLY LIST OF PUBLICATIONS

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Trapping and transplanting live beavers. Leo K. Couch, Bureau of Biological Survey. 18 p., illus. (F. B. 1768F.) Price, 5¢.

This bulletin gives detailed descriptions of live-beaver traps and discusses trapping operations, holding pens, means and methods of transporting and transplanting trapped beavers, and the selection of proper planting sites, hoping to supply information that will be helpful to farmers, stockmen, and foresters, as well as public officials.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Yield of even-aged stands of Sitka spruce and western hemlock. Walter H. Meyer, Forest Service. 86 p., illus. (T. B. 544T.) Price, 15¢.

This bulletin presents the results of growth and yield research in the forests of Oregon and Washington, field work of which was done in 1933-34.

Effect of temperature, humidity, and other factors on hatch of hens' eggs and on energy metabolism of chick embryos. H. G. Barott, Bureau of Animal Industry. 46 p., illus. (T. B. 553T.) Price, 10¢.

The aim in the investigations reported in this bulletin is to ascertain the optimum condition for each of these factors for embryonic growth and for hatching. It is also desired to ascertain the specific effect on embryonic growth and on hatch of a change in any one of these factors.

Yield, stand, and volume tables for even-aged upland oak forests. G. Luther Schnur, Forest Service. 88 p., illus. (T. B. 560T.) Price 10¢.

The present study includes all portions of the upland oak region. The yield, stand, and volume tables presented were computed from measurements obtained on sample plots and from trees cut on logging operations throughout the region.

Western hemlock bark an important potential tanning material. Charles C. Smoot and Ralph W. Frey, Bureau of Chemistry and Soils. 48 p., illus. (T. B. 566T.) Price, 10¢.

This bulletin presents a survey and study of the salvaging of tanning extracts from hemlock bark now not utilized in lumbering and pulp production in the Pacific coast region.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations. 1936-37. Mary A. Agnew, Office of Experiment Stations. 135 p. (M. P. 254M). Price, 15¢.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Stumpage and log prices for the calendar year 1935. Henry B. Steer, Forest Service. 56 p. (S. B. 57S). Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Rules and regulations of the Secretary of Agriculture governing the grading and certification of meats, prepared meats, meat food products, and meat byproducts for class, quality (grade), and condition. Bureau of Agricultural Economics, Service and Regulatory Announcements no. 98 (revised). 7 p. (S. R. A.-B. A. E. 98 (revised)).¹

Laws and joint regulations of the Secretaries of the Interior and Agriculture relating to the protection and administration of game ranges, or wildlife refuges, established in conjunction with the organization of grazing districts under the Taylor Grazing Act. Bureau of Biological Survey, Service and Regulatory Announcements. 5 p. (S. R. A.-B. S. 86).¹

Japanese beetle quarantine. Quarantine no. 48. Revision of quarantine and regulations. Effective March 1, 1937. Bureau of Entomology and Plant Quarantine. 14 p. (B. E. P. Q.-Q. 48.)¹

White-pine blister rust quarantine. Quarantine no. 63. Revision of regulations. Effective March 1, 1937. Bureau of Entomology and Plant Quarantine. 6 p. (B. E. P. Q.-Q. 63).¹

Bureau of Entomology and Plant Quarantine. Service and Regulatory Announcements. October-December 1936. Pp. 151-207. (S. R. A.-B. E. P. Q. 129).¹

Notices of Judgment under the Caustic Poison Act. Food and Drug Administration. 2 p. (N. J., C. P. 56-58).¹

Notices of Judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 137-195 (N. J., F. D. 26301-26475) Foods.¹

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

Alabama, Winston County. (No. 12, series 1932.) 31 p., illus. Price, 10¢.

Texas, Cass County. (No. 3, series 1933.) 30 p., illus. Price, 10¢.

Vermont, soil survey (reconnaissance). (No. 43, series 1930.) 80 p., illus. Price, 55¢.

OTHER PUBLICATIONS

United States meteorological yearbook, 1935. Weather Bureau. Formerly issued as the Report of the Chief of the Weather Bureau. 140 p., illus. Price, 25¢. (Paper). For sale only.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no. 4, April 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

Crops and markets. Vol. 14, no. 3, December 1936. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

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Farmers' Bulletins	Leaflets	Other publications

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 76, no. 4, April 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 8, no. 4, April 1937. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

—— Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

F-79. (In vol. 54, no. 1.) Effect of stand density on mortality and growth of loblolly pine. E. M. Simmons and G. Luther Schnur.

G-1027. (In vol. 53, no. 9.) Histological and cytological changes in sugar-beet seedlings affected with curly top. Ernst Artschwager and Ruth C. Starrett.

G-1029. (In vol. 53, no. 8.) A mosaic disease of iris. Philip Brierley and Frank P. McWhorter.

G-1030. (In vol. 53, no. 11.) A cytological study of *Erysiphe polygoni* on *Delphinium*. Ruth F. Allen.

G-1039. (In vol. 53, no. 10.) Nitrogen utilization by *Ophiobolus graminis*. Hurley Fellows.

G-1040. (In vol. 54, no. 1.) Organization of the unwallled ascus in two species of *Ceratostomella*. C. F. Andrus and L. L. Harter.

Ind.-26. (In vol. 53, no. 9.) A subirrigation method of supplying nutrient solutions to plants growing under commercial and experimental conditions. Robert B. Withrow and J. P. Biebel.

Iowa-24. (In vol. 54, no. 1.) The toxicity of certain insecticides to the chinch bug. Charles H. Richardson, Christian C. Deonier, and William A. Simanton.

N. Dak.-14. (In vol. 53, no. 10.) Influence of black point disease, seed treatment, and origin of seed on stand and yield of hard red spring wheat. L. R. Waldron.

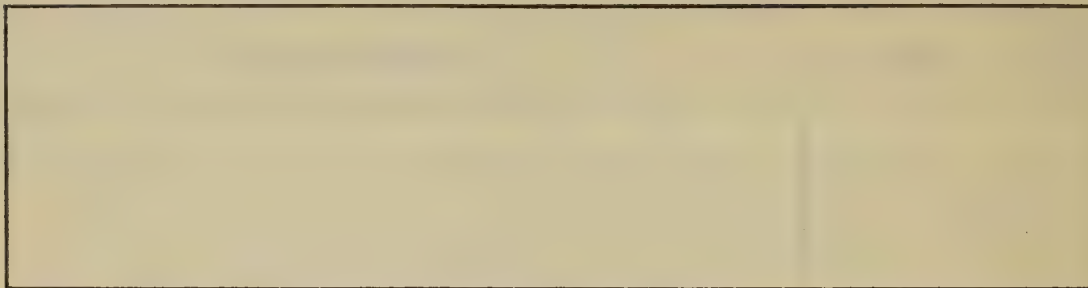
Wis.-79. (In vol. 53, no. 12.) Resistance to bacterial wilt of inbred strains and crosses of sweet corn. S. S. Ivanoff and A. J. Riker.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research. Vol. 54, no. 4. February 15; no. 5. March 1, 1937. Illus.

Monthly weather review. Vol. 65, no. 1, January 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Public roads. Vol. 18, no. 1, March; no. 2, April 1937. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Soil conservation. Vol. 2, no. 10, April 1937. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 13-17, March 30-April 27, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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MONTHLY LIST OF PUBLICATIONS

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FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Growing black locust trees. Wilbur R. Mattoon, Forest Service. 30 p., illus. (F. B. 1628F, rev.) Price, 5¢.

The farmer looks ahead. Bureau of Agricultural Economics. 16 p., illus. (F. B. 1774F.) Price, 5¢.

"Our permanent policy with respect to agriculture must shape itself to give the farmer his fair share of prosperity, having due regard to the long-time interests of the national community as a whole", says Secretary Wallace in his introduction to this publication.

TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Blast-furnace processes for the production of phosphatic and potassic fertilizer materials. P. H. Royster, K. G. Clark, T. P. Hignett, L. E. Bowe, H. I. Lansdon, J. C. Southard, and J. W. Turrentine, Bureau of Chemistry and Soils. 75 p., illus. (T. B. 543T.) Price, 10¢.

This bulletin describes a phase of the research concerned with an investigation, by means of small-scale apparatus, of the technical feasibility and commercial practicability of producing phosphatic and potassic fertilizer materials by blast-furnace processes.

Effect of different methods of grazing on native vegetation and gains of steers in northern Great Plains. W. H. Black, A. L. Baker, and V. I. Clark, Bureau of Animal Industry; and O. R. Mathews, Bureau of Plant Industry. 19 p., illus. (T. B. 547T.) Price, 5¢.

With the disappearance of the open range in most areas and the consequent heavy stocking of pastures, the need for reliable information on the effect of different methods of grazing on the native vegetation became apparent. To obtain such information, the experiments reported in this bulletin were made.

Control of southern celery mosaic in Florida by removing weeds that serve as sources of mosaic infection. F. L. Wellman, Bureau of Plant Industry. 16 p., illus. (T. B. 548T.) Price, 5¢.

Results of the study show that this particular mosaic virus exists most frequently from season to season in perennial weeds, and is largely spread by insects which, however, do not carry it to extreme distances. Measures for the control of southern celery mosaic consist of weed removal and are described in detail in this publication.

Protection of apples and pears in transit from the Pacific Northwest during the winter months. E. D. Mallison and E. A. Gorman, Jr., Bureau of Plant Industry; and W. V. Hukill, Bureau of Agricultural Engineering. 55 p., illus. (T. B. 550T.) Price, 10¢.

These investigations have been conducted in cooperation with the fruit shippers in the Pacific Northwest and the railroads serving the territory and eastern connecting lines. This report includes a summary of the results of a series of investigations conducted from 1917 to 1922, but for the most part is concerned with studies and tests made from 1927 to 1935.

Influence of packing and handling methods on condition of apples barreled for export. Paul L. Harding, J. M. Lutz, and Dean H. Rose, Bureau of Plant Industry. 26 p., illus. (T. B. 559T.) Price, 5¢.

The chief object of this investigation, covering 4 years 1931-34, has been to test thoroughly various methods of packing apples in barrels and to devise a method that will insure against slackness of pack with a minimum amount of injured fruit.

The effectiveness of cultivation as a control for the corn earworm. G. W. Barber and F. F. Dicke, Bureau of Entomology and Plant Quarantine. 16 p., illus. (T. B. 561T.) Price, 5¢.

Plowing as an aid to the control of the corn earworm has been largely supported by the plausibility of the belief that the operation would be effective, taking into consideration the hibernating habits of the insect and the probable effect of the disturbance caused by plowing.

Seed treatment experiments with oats naturally and artificially inoculated with smuts. R. W. Leukel, Bureau of Plant Industry. 16 p. (T. B. 568T.) Price, 5¢.

The experiments described in this bulletin test the effectiveness of a number of disinfectants in the control of smuts in oats over a period of years. The lack at times of seed lots carrying a heavy natural infection made it necessary to use artificially inoculated seed. Several different methods of inoculating the seed were used.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Distribution of the varieties and classes of wheat in the United States in 1934. J. Allen Clark and K. S. Quisenberry, Bureau of Plant Industry. 68 p., illus. (Cir. 424C.) Price, 10¢.

This circular presents the estimated acreages computed from a survey for the crop year 1934. It is based largely on the harvested wheat-acreage figures by counties as reported by the Bureau of the Census, United States Department of Commerce, from the special agricultural census of 1935.

Peach mosaic, its identification and control. Lee M. Hutchins, Bureau of Plant Industry; E. W. Bodine, Colorado Agricultural Experiment Station; and H. H. Thornberry, University of California. 48 p., illus. (Cir. 427C.) Price, 15¢.

This circular gives an account of peach mosaic, which includes the discovery of the disease, its infectious nature and classification, known distribution, identification in the field, and control measures.

The rhododendron whitefly and its control. Randall Latta, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Cir. 429C.) Price, 5¢.

The experimental data used for this discussion is not complete but are sufficient to provide a better understanding of the status of the rhododendron whitefly in the United States and to suggest effective remedial measures that can be utilized for its control.

The tomato pinworm. J. C. Elmore, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Cir. 440C.) Price, 5¢.

This circular recommends clean-up and other precautionary measures. None of the insecticides tested against the tomato pinkworm thus far have proved effective in controlling this pest under commercial conditions.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry. Service and Regulatory Announcements. March 1937. Pp. 25-42. (S. R. A.-B. A. I. 359); April 1937. Pp. 43-52. (S. R. A.-B. A. I. 360). Price, 5¢ each.¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 197-229. (N. J., F. D. 26476-26525.) Drugs.²

Notices of judgment under the Insecticide Act. Food and Drug Administration. Pp. 301-323. (N. J., I. F. 1491-1525.)²

Notice of judgment under the regulations of the Naval Stores Act. Food and Drug Administration. 1 p. (N. J., N. S. no. 13.)²

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Farmers' Bulletins	Leaflets	Other publications

Modification of pink bollworm quarantine regulations. Revision of regulation 3, effective April 6, 1937. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Q. 52.)²

OTHER PUBLICATIONS

Index to technical bulletins nos. 1-500. Mabel G. Hunt, Office of Information. 249 p. Price, 20¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no. 5, May 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹

Crops and markets. Vol. 14, no. 4, February 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

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Experiment station record. Vol. 76, no. 5, May 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.¹

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 8, no. 5, May 1937. Illus. Price, 5¢ a copy; 50¢ a year domestic; 90¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year foreign. Each issue, 15¢ domestic; 20¢ foreign.¹ Not distributed free to individuals.

——— Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

A-174. (In vol. 54, no. 3.) Distribution of hog-cholera virus among fractions of virus blood. Wilmer C. Powick.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

OFFICIAL BUSINESS

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- Ariz.-12. (In vol. 54, no. 2.) The biological value of the proteins in hegarl and the supplemental value of certain protein concentrates used in farm animal feeding. Margaret Cammack Smith and Gladys Hartley Roehm.
- E-69. (In vol. 54, no. 3.) Losses of organic substance in the spontaneous heating of alfalfa hay. E. J. Hoffman and M. A. Bradshaw.
- F-81. (In vol. 54, no. 2.) The influence of rainfall upon tuft area and height growth of three semidesert range grasses in southern Arizona. Paul B. Lister and Francis X. Schumacher.
- G-1035. (In vol. 53, no. 12.) Developmental morphology of the caryopsis in maize. L. F. Randolph.
- G-1041. (In vol. 54, no. 3.) Keeping quality of sugar beets as influenced by growth and nutritional factors. F. G. Larmer.
- K-277. (In vol. 54, no. 2.) Practical field methods of sampling soil for wireworms. E. W. Jones.
- Mich.-30. (In vol. 54, no. 2.) Products of fermentation of the S and R forms of yeast. F. W. Fabian and L. J. Wickerham.
- N. J.-31. (In vol. 54, no. 3.) A statistical study of squab production in the White King breed. C. S. Platt.
- Wis.-78. (In vol. 53, no. 12.) Resistance to bacterial wilt of open-pollination varieties of sweet, dent, and flint corn. S. S. Ivanoff.
- Wis.-84. (In vol. 54, no. 3.) The production of milk of abnormal composition by animals free from udder streptococci. E. G. Hastings and B. A. Beach.

Journal of agricultural research. Vol. 54, no. 6. March 15; no. 7, April 1, 1937. Illus.

Monthly weather review. Vol. 65, no. 2, February 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 18, no. 3, May 1937. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.¹

Soil conservation. Vol. 2, no. 11, May 1937. Price, 10¢ a copy; \$1 a year, domestic.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 18-21, May 4-25, 1937. Price 50¢ a year domestic; 90¢ a year, foreign.¹

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MONTHLY LIST OF PUBLICATIONS

JUNE 1937

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

- Irrigation of small grain. W. W. Laughlin, Bureau of Agricultural Engineering. 14 p., illus. (F. B. 1556F., rev.) Price, 5¢.
- Use of concrete on the farm. T. A. H. Miller, Bureau of Agricultural Engineering. 60 p., illus. (F. B. 1772F.) Price, 10¢.
- Homemade bread, cake, and pastry. Florance B. King, and Adelle B. Freeman, Bureau of Home Economics. 30 p., illus. (F. B. 1775F.) Price, 10¢.
- Strip cropping for soil conservation. Walter V. Kell and Grover F. Brown, Soil Conservation Service. 37 p., illus. (F. B. 1776F.) Price, 5¢.

TECHNICAL BULLETINS

- Drought survival of native grass species in the central and southern Great Plains, 1935. D. A. Savage, Bureau of Plant Industry, 55 p., illus. (T. B. 549T.) Price, 10¢.
- Marketing onions. J. W. Park, Bureau of Agricultural Economics. 88 p., illus. (T. B. 555T.) Price, 15¢.
- Incidence and development of apple scab on fruit during the late summer and while in storage. Cyril O. Bratley, Bureau of Plant Industry. 46 p., illus. (T. B. 563T.) Price, 10¢.
- Comparison of feeds for fattening beef calves before and after weaning. W. H. Black, Bureau of Animal Industry, and E. A. Trowbridge, University of Missouri. 12 p. (T. B. 564T.) Price, 5¢.
- Comparison of feeds for wintering steers in the northern Great Plains. W. H. Black, Bureau of Animal Industry, and O. R. Mathews, Bureau of Plant Industry, 10 p., illus. (T. B. 565T.) Price, 5¢.
- Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare. Charles K. Cooper-rider and Barnard A. Hendricks, Forest Service. 88 p., illus. (T. B. 567T.) Price, 15¢.
- Decay in merchantable oak, yellow poplar, and basswood in the Appalachian region. George H. Hepting and George G. Hedgcock, Bureau of Plant Industry. 30 p., illus. (T. B. 570T.) Price, 5¢.
- A serviceability test on blankets made from four blends of wool. Margaret B. Hays and Ruth E. Elmquist, Bureau of Home Economics, and J. I. Hardy, Bureau of Animal Industry. 24 p., illus. (T. B. 572T.) Price, 5¢.

CIRCULARS

- Biology of the tobacco moth and its control in closed storage. W. D. Reed and E. M. Livingstone, Bureau of Entomology and Plant Quarantine. 39 p., illus. (Cir. 422C.) Price, 10¢.

- Use of soil-moisture and fruit growth-records for checking irrigation practices in citrus orchards. C. A. Taylor, Bureau of Agricultural Engineering, and J. R. Furr, Bureau of Plant Industry. 24 p., illus. (Cir. 426C.) Price, 5¢.
- Flight speed of birds. May Thacher Cooke, Bureau of Biological Survey. 14 p. (Cir. 428C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

- Summary of State and territorial plant quarantines affecting interstate shipments. Maude A. Thompson, Bureau of Entomology and Plant Quarantine. 132 p. (M. P. 80M, rev.) Price, 15¢.
- Comparison of various chemical quick tests on different soils. M. S. Anderson, W. M. Noble, Bureau of Chemistry and Soils. 24 p., illus. (M. P. 259M.) Price, 5¢.
- A graphic summary of physical features and land utilization in the United States. O. E. Baker, Bureau of Agricultural Economics. 57 p., illus. (M. P. 260M.) Price, 10¢.
- Post-mortem examinations of wild birds and mammals. J. E. Shillinger and William Rush, Bureau of Biological Survey. 16 p., illus. (M. P. 270M.) Price, 5¢.

STATISTICAL BULLETINS

- Fats, oils, and oleaginous raw materials—production, prices, trade, disappearance in the United States, 1912–35, and available data for earlier years. Anne Dewees, Bureau of Agricultural Economics. 123 p. (S. B. 59SB.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Amendment to regulations 1, 10, 15, 16, 17, and 18, B. A. I. Order 211—revised. (Regulations governing the meat inspection of the United States Department of Agriculture). Bureau of Animal Industry. 4 p. (Amendment 3 to B. A. I. Order 211—rev.)
- Modification of Japanese beetle quarantine regulations. Effective May 10, 1937. Bureau of Entomology and Plant Quarantine. 3 p. (B. E. P. Q.-Q-48).¹
- Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 231–305. (N. J., F. D. 26526–26725). Foods.¹

SOIL SURVEYS

- Indiana, Rush County. (No. 44, series 1930.) 36 p., illus. Price, 35¢.
- Michigan, Iron County. (No. 46, series 1930.) 29 p., illus. Price, 45¢.
- Nebraska, Greeley County. (No. 4, series 1933.) 36 p., illus. Price, 25¢.
- New York, Rensselaer County. (No. 15, series 1932.) 70 p., illus. Price, 50¢.
- Pennsylvania, Indiana County. (No. 27, series 1931.) 52 p., illus. Price, 35¢.

OTHER PUBLICATIONS

- Regulations relating to game land fur animals, and birds in Alaska, 1936–37. 32 p., illus. (Alaska Game Cir. 13.) Price, 5¢.
- Regulations relating to game land fur animals, and birds in Alaska, 1937–38. 32 p., illus. (Alaska Game Cir. 14.) Price, 10¢.
- Winds in the upper troposphere and lower stratosphere over the United States. Loyd A. Stevens, Weather Bureau. 27 p., illus. (W. B. Supp. 36.) Price, 40¢.

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Farmers' Bulletins	Leaflets	Other publications

PERIODICALS

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Agricultural situation. Vol. 21, no. 6, June 1, 1937. Price 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

Crops and markets. Vol. 14, no. 5, May 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

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Experiment station record. Vol. 76, no. 6, June; vol. 77, no. 1, July 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 8, no. 6, June 1937. Illus. Price 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price \$3.25 a year; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

——— Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

A-175. (In vol. 54, no. 6.) A criterion for testing the accuracy of trap-nest records. Walter A. Hendricks.

Calif.-79. (In vol. 54, no. 5.) Growth, reproduction, feeding, and wing development of the mealy plum aphid in relation to climatic factors. Leslie M. Smith.

Calif.-80. (In vol. 54, no. 5.) The relation of light to the diurnal cycle of sporulation of certain downy mildews. C. E. Yarwood.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research—Continued.

- F-80. (In vol. 54, no. 2.) Effect of climate on timber-growth fluctuations. Francis X. Schumacher and H. Arthur Meyer.
- G-1037. (In vol. 54, no. 1.) Sweet orange fruit scab caused by *Elsinoë australis*. Agesilau A. Bitancourt and Anne E. Jenkins.
- G-1042. (In vol. 54, no. 5.) Influence of stripe rust on growth, water economy, and yield of wheat and barley. Wayne M. Bever.
- Iowa-26. (In vol. 54, no. 6.) Analysis of covariance of yield and time to first silks in maize. George W. Snedecor and Gertrude M. Cox.
- K-280. (In vol. 54, no. 5.) The relative quantities of oil deposited upon paraffin-coated plates and upon plant foliage by oil sprays. Lynn H. Dawsey, A. W. Cressman, and Julian Hiley.
- K-281. (In vol. 54, no. 6.) Relative toxicity of the cresols as demonstrated by tests with *Carassius auratus*. W. A. Gersdorff.
- La.-6. (In vol. 54, no. 4.) The rosette disease of blackberries and dewberries. A. G. Plakidas.
- Minn.-97. (In vol. 54, no. 4.) A study of scab resistance in the potato. Henry M. Darling.
- Wash.-26. (In vol. 54, no. 6.) The chemical composition and nutritive value of certain cereal hays as affected by plant maturity. Jerry Sotola.
- Wis.-82. (In vol. 54, no. 5.) Carbon dioxide exchange rhythm and fruitfulness in plants of different reproductive habits. R. H. Roberts, James E. Kraus, and Norman Livingston.
- Wis.-83. (In vol. 54, no. 4.) Factors relating to the control of ordinary tobacco mosaic. James Johnson.

Journal of agricultural research. Vol. 53, 1936, Index; vol. 54, no. 8. April 15; no. 9. May 1; no. 10. May 15, 1937. Illus.

Monthly weather review. Vol. 65, no. 3, March 1937. Illus. Price 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Public roads. Vol. 18, no. 4, June 1937. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Soil conservation. Vol. 2, no. 12, April 1937. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 22-25, June 1-22, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.²

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

Soil and water conservation in the Pacific Northwest. E. M. Rowalt, Soil Conservation Service. 59 p., illus. (F. B. 1773F.) Price, 10¢.

LEAFLETS

Sash greenhouses. J. H. Beattie, Bureau of Plant Industry. 8 p., illus. (Leaf. 124L.) Price, 5¢.

Rhubarb production. J. H. Beattie, Bureau of Plant Industry. 4 p., illus. (Leaf. 126L.) Price, 5¢.

TECHNICAL BULLETINS

Types of vegetation in the San Joaquin Valley of California and their relation to the beet leafhopper. R. L. Piemeisel, Bureau of Plant Industry, and F. R. Lawson, Bureau of Entomology and Plant Quarantine. 28 p., illus. (T. B. 557T.) Price, 10¢.

The nematode, *Ornithostrongylus quadriradiatus*, a parasite of the domesticated pigeon. Eugenia Cuvillier, Bureau of Animal Industry. 36 p., illus. (T. B. 569T.) Price, 10¢.

Irrigated crop rotations at the Huntley (Mont.) Field Station, 1912-35. Stephen H. Hastings and Dan Hansen, Bureau of Plant Industry. 38 p., illus. (T. B. 571T.) Price, 10¢.

CIRCULARS

Crow-waterfowl relationships: Based on preliminary studies on Canadian breeding grounds. E. R. Kalmbach, Bureau of Biological Survey. 36 p., illus. (Cir. 433C.) Price, 10¢.

Production and agricultural use of sodium nitrate. Albert R. Merz, Bureau of Chemistry and Soils, and C. C. Fletcher, Bureau of Plant Industry. 12 p. (Cir. 436C.) Price, 5¢.

Lumpy jaw, or actinomycosis. John R. Mohler and Maurice S. Shahan, Bureau of Animal Industry. 10 p., illus. (Cir. 438C.) Price, 5¢.

Development of Powdery Mildew Resistant Cantaloup No. 45. I. C. Jagger, Bureau of Plant Industry, and G. W. Scott, California Agricultural Experiment Station. 6 p., illus. (Cir. 441C.) Price, 5¢.

Country milk-receiving and cooling stations. C. E. Clement, Bureau of Dairy Industry. 60 p., illus. (Cir. 432C.) Price, 10¢.

MISCELLANEOUS PUBLICATIONS

List of periodicals currently received in the Library of the United States Department of Agriculture, June 1, 1936. Elizabeth G. Hopper and Lydia K. Wilkins, U. S. Department of Agriculture Library. 337 p. (M. P. 245M.) Price, 30¢. Restricted distribution.

A graphic summary of the value of farm property. (Based largely on the census of 1930 and 1935.) B. R. Stauber and M. M. Regan. 20 p., illus. (M. P. 263M.) Price, 5¢.

A graphic summary of farm machinery, facilities, roads, and expenditures. (Based largely on the census of 1930 and 1935.) O. E. Baker, Bureau of Agricultural Economics. 33 p., illus. (M. P. 264M.) Price, 10¢.

Construction of private driveways. David M. Beach, Bureau of Public Roads. 30 p., illus. (M. P. 272M.) Price, 10¢.

Vitamin content of foods. A summary of the chemistry of vitamins, units of measurement, quantitative aspects in human nutrition, and occurrence in foods. Esther Peterson Daniel and Hazel E. Munsell, Bureau of Home Economics. 176 p. (M. P. 275M.) Price, 15¢.

- List of sires proved in dairy herd improvement associations, 1935-37. Bureau of Dairy Industry. 105 p. (M. P. 277M.) Price, 15¢.
Bibliography on highway lighting. Mildred A. Wilson, Bureau of Public Roads. 30 p., (M. P. 279M.) Price, 5¢.

STATISTICAL BULLETINS

- First annual report on tobacco statistics (with basic data). Bureau of Agricultural Economics. 148 p. (S. B. 58S.) Price, 15¢.
Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1935-36. Bureau of Agricultural Economics, in cooperation with State Agricultural Experiment Stations and the California State Department of Agriculture. 60 p. (S. B. 60S.) Price, 10¢.

SOIL SURVEYS

- Indiana, Dubois County. (No. 45, series 1930.) 39 p., illus. Price, 35¢.
North Carolina, Brunswick County. (No. 17, series 1932.) 40 p., illus. Price, 35¢.
Oklahoma, Mayes County. (No. 19, series 1932.) 38 p., illus. Price, 25¢.
South Carolina, Abbeville County. (No. 18, series 1932.) 36 p., illus. Price, 30¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Bureau of Animal Industry. Service and regulatory announcements. Pp. 53-60. (S. R. A.—B. A. I. 361). May 1937. Pp. 61-72. (S. R. A.—B. A. I. 362). June 1937. Price, 5¢ each.¹
Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. January-March 1937. Pp. 1-87. (S. R. A.—B. E. P. Q. No. 130.)²
List of intercepted plant pests, 1936. Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. 83 p.²
Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 379-422. (N. J., F. D. 26826-26950.) Foods; Pp. 423-463. (N. J., F. D. 26951-27000.) Drugs.²
Index to notices of judgment 25001-26000. Food and Drugs Act. Food and Drug Administration. Pp. 505-542.²

OTHER PUBLICATIONS

- Agricultural statistics, 1937. 486 p. Free only to Government officials and co-operators. Price, 50¢. Paper covers.¹
Decisions of courts in cases under the Federal Food and Drugs Act. Otis H. Gates and Mastin G. White, Office of the Solicitor. 1546 p. Price, \$2.25. For sale only.¹

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation. Vol. 21, no. 7, July 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹
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- Experiment station record. Vol. 75, Index number, July-December 1936. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.¹
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A-176. (In vol. 54, no. 6.) Effect of incubation temperature on time of death of chick embryo and relationship of energy metabolism to mortality. Emma M. Pringle and H. G. Barott.

A-177. (In vol. 54, no. 8.) Alfalfa leaf meal as a source of vitamin A for growing chickens. Burt W. Heywang and Harry W. Titus.

A-178. (In vol. 54, no. 8.) Comparison of cod-liver oil and ultraviolet irradiation as sources of vitamin D for confined laying hens. Ralph B. Nestler.

Calif.-81. (In vol. 54, no. 8.) Diastatic activity of orange leaves as affected by time, temperature, pH, and certain zinc salts. W. B. Sinclair and E. T. Bartholomew.

Calif.-82. (In vol. 54, no. 9.) Chemical composition of avocado fruits. A. R. C. Haas.

F-82. (In vol. 54, no. 7.) Construction of yield tables for nonnormal loblolly pine stands. Arland L. MacKinney, Francis X. Schumacher, and Leon E. Chaiken.

F-83. (In vol. 54, no. 10.) A comparison of some methods used in determining percentage utilization of range grasses. Joseph F. Pechanec and G. D. Pickford.

G-1043. (In vol. 54, no. 7.) A humidity- and temperature-control cabinet for growing plants. C. O. Grandfield and Frank J. Zink.

G-1044. (In vol. 54, no. 8.) Bacterial leaf spot of begonia. Lucia McCulloch.

G-1045. (In vol. 54, no. 7.) Variation in mass isolates and monoconidium progenies of *Ceratostomella ulmi*. James M. Walter.

G-1046. (In vol. 54, no. 7.) Correlation between movement of the curly top virus and translocation of food in tobacco and sugar beet. C. W. Bennett.

G-1048. (In vol. 54, no. 7.) The time factor in pollen-tube growth and fertilization in barley. Merritt N. Pope.

G-1049. (In vol. 54, no. 8.) A leaf spot disease of red and white clovers. Oliver F. Smith.

G-1050. (In vol. 54, no. 8.) Selenium absorption by crop plants as related to their sulphur requirement. Annie M. Hurd-Karrer.

G-1051. (In vol. 54, no. 9.) Relation of nitrogen to yield of sugar-beet seed and to accompanying changes in composition of the roots. L. M. Pultz.

Ind.-27. (In vol. 54, no. 11.) Ringing and fruit setting as related to nitrogen and carbohydrate content of Grimes Golden apples. Laurenz Greene.

K-282. (In vol. 54, no. 7.) Digestive enzymes in the southern armyworm. Frank H. Babers and P. A. Woke.

N. Y. (Cornell)-36. (In vol. 54, no. 6.) Relative efficiency for growing lambs of the protein in rations supplemented by soybean-oil meal, linseed meal or corn-gluten meal. John I. Miller, F. B. Morrison, and L. A. Maynard.

N. Y. (Cornell)-37. (In vol. 54, no. 10.) Variations in egg-quality characters in certain breeds, varieties, and strains of chickens. A. Van Wagenen, G. O. Hall, and H. S. Wilgus, Jr.

N. Y. (Cornell)-38. (In vol. 54, no. 10.) The biology of microtine cycles. W. J. Hamilton, Jr.

T-10. (In vol. 54, no. 9.) Ascorbic acid content of a number of citrus fruits. Esther Peterson Daniel and Marjorie B. Rutherford.

Wash.-27. (In vol. 54, no. 7.) Relationship between yolk index, percentage of firm white, and albumen index. Victor Heiman and L. A. Wilhelm.

Wash.-28. (In vol. 54, no. 8.) Two mosaic diseases of peas in Washington. Folke Johnson and Leon K. Jones.

Wis.-81. (In vol. 54, no. 6.) Analysis of variation in the sexual cycle and some of its component phases, with special reference to cattle. A. B. Chapman and L. E. Casida.

Wis.-85. (In vol. 54, no. 8.) The nitrogen metabolism of the crown gall and hairy root bacteria. H. A. Conner, W. H. Peterson, and A. J. Riker.

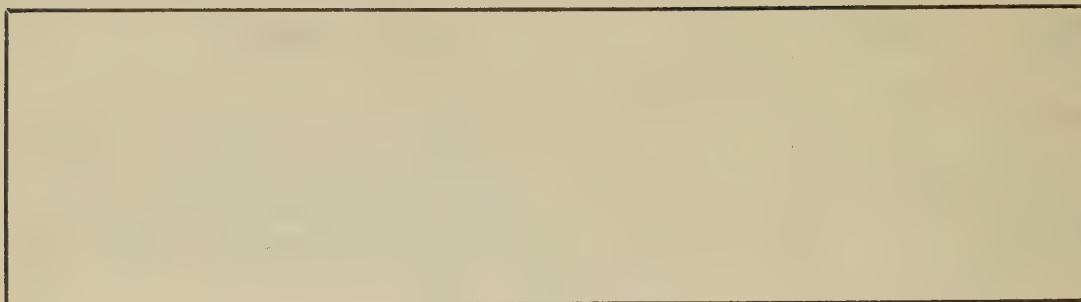
Wis.-86. (In vol. 54, no. 10.) Changes in weight and nitrogen content of adult worker bees on a protein-free diet. Mykola H. Haydak.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

U. S. DEPARTMENT OF AGRICULTURE
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7--37

Journal of agricultural research. Vol. 54, no. 11, June 1; no. 12, June 15, 1937. Illus.

Monthly weather review. Vol. 65, no. 4, April 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Soil conservation. Vol. 3, no. 1, July 1937. Price, 10¢ a copy; \$1 a year, domestic.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 26-30, June 29-July 27, 1937. Price, 50¢ a year, domestic; 90¢ a year, foreign.¹

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-71. Agricultural conservation, 1936. A report of the activities of the Agricultural Adjustment Administration. 200 p. For sale only. Price, 20¢.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

AUGUST 1937

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Milk goats. C. G. Potts and V. L. Simmons, Bureau of Animal Industry. 36 p., illus. (F. B. 920F., rev.) Price, 5¢.

Diseases of fur animals. J. E. Shillinger, Bureau of Biological Survey. 22 p., illus. (F. B. 1777F.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Production of carrots. J. H. Beattie, Bureau of Plant Industry. 4 p. (Leaf. 125L.) Price, 5¢.

The culture of table beets. J. H. Beattie, Bureau of Plant Industry. 4 p. (Leaf. 127L.) Price, 5¢.

Production of spinach. J. H. Beattie, Bureau of Plant Industry. 8 p., illus. 128L.) Price, 5¢.

Production and preparation of horseradish. W. R. Beattie, Bureau of Plant Industry. 6 p., illus. (Leaf. 129L.) Price, 5¢.

Cauliflower and heading broccoli production. J. H. Beattie, Bureau of Plant Industry. 6 p., illus. (Leaf. 130L.) Price, 5¢.

Production of eggplant. J. H. Beattie, Bureau of Plant Industry. 4 p. (Leaf. 131L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Some moisture relations of the soils from the erosion experiment stations. L. B. Olmstead, Bureau of Chemistry and Soils. 45 p., illus. (T. B. 562T.) Price, 10¢.

Principles of forest-fire detection on the national forests of northern California. S. B. Show and E. I. Kotox, Forest Service. 32 p., illus. (T. B. 574T.) Price, 5¢.

Demand deposits of country banks. Norman J. Wall, Bureau of Agricultural Economics. 28 p., illus. (T. B. 575T.) Price, 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Flour-mill insects and their control. G. A. Dean, Kansas Agricultural Experiment Station, and R. T. Cotton and G. B. Wagner, Bureau of Entomology and Plant Quarantine. 40 p., illus. (Cir. 390C, rev.) Price, 5¢.

Commercial planting on redwood cut-over lands. Hubert L. Person, Forest Service. 40 p., illus. (Cir. 434C.) Price, 10¢.

Tobacco shrinkages and losses in weight in handling and storage. J. V. Morrow, Bureau of Agricultural Economics, and Dudley Smith, Agricultural Adjustment Administration. 77 p., illus. (Cir. 435C.) Price, 10¢.

Artificial drying of forage crops. E. D. Gordon and W. M. Hurst, Bureau of Agricultural Engineering. 24 p., illus. (Cir. 443C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

A history of agricultural experimentation and research in the United States, 1607-1925, including a history of the United States Department of Agriculture. Alfred Charles True, United States Department of Agriculture, 321 p., illus. (M. P. 251M.) Price, 25¢ (paper). For sale only.

Water utilization by trees, with special reference to the economic forest species of the north temperate zone. Oran Raber, Forest Service. 97 p. (M. P. 257M.) Price, 15¢.

Annotated list of the insects and mites associated with stored grain and cereal products, and of their arthropod parasites and predators. R. T. Cotton and N. E. Good, Bureau of Entomology and Plant Quarantine. 81 p. (M. P. 258M.) Price, 10¢.

PICTURE SHEETS

A popular series issued by the Bureau of Entomology and Plant Quarantine, each sheet consisting of a colored picture of an outstanding insect pest, a description of its life history and habits, and directions for its control.

Tomato hornworms. Bureau of Entomology and Plant Quarantine. (Picture Sheet No. 1.) Price, 5¢. For sale only.

Mexican bean beetle. Bureau of Entomology and Plant Quarantine. (Picture Sheet No. 2.) Price, 5¢. For sale only.

Colorado potato beetle. Bureau of Entomology and Plant Quarantine. (Picture Sheet No. 3.) Price, 5¢. For sale only.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Regulations governing the importation of domestic livestock and other animals into the United States from all countries, except Mexico, modifying regulation 11. Amendment 2 to B. A. I. Order 352. Effective on and after August 20, 1937. Bureau of Animal Industry. (Amdt. 2 to B. A. I. Order 352.) 1 p.¹

Bureau of Animal Industry. Service and regulatory announcements. July 1937. Pp. 73-83. (S. R. A.-B. A. I. 363.) Price, 5¢.²

Regulations relating to migratory birds and certain game mammals, 1937. Bureau of Biological Survey, service and regulatory announcements. 10 p. (S. R. A.-B. S. 88.)¹

Bureau of Entomology and Plant Quarantine, Service and regulatory announcements. Index, 1936. 4 p. (S. R. A.-B. E. P. Q.)¹

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 307-377. (N. J., F. D. 26726-26825.) Drugs; pp. 1-46. (N. J., F. D. 27001-27125.) Foods; pp. 47-66. (N. J., F. D. 27126-27150.) Drugs.¹

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

Georgia, McDuffie County. (No. 28, series 1931.) 47 p., illus. Price, 30¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no. 8, August 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

Crops and markets. Vol. 14, no. 7, July 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 77, no. 2, August; no. 3, September 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.²

A technical view of the world's scientific literature pertaining to Agriculture.

Extension service review. Vol. 8, no. 8, August 1937. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

— Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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- Calif.-83. (In vol. 54, no. 12.) Phytophthora rot of Honeydew melon. C. M. Tompkins and C. M. Tucker.
- G-1047. (In vol. 54, no. 10.) Bulb formation in some American and European varieties of onions as affected by length of day. Roy Magruder and H. A. Aliard.
- G-1052. (In vol. 54, no. 11.) Pythium root rot of milo. Charlotte Elliott, L. E. Melchers, C. L. Lefebvre, and F. A. Wagner.
- G-1053. (In vol. 54, no. 11.) Morphological characters of teosinte chromosomes. A. E. Longley.
- Ga.-9. (In vol. 54, no. 9.) Anatomy and histology of the transition region in *Capsicum frutescens*. H. L. Cochran and F. F. Cowart.
- Iowa-25. (In vol. 54, no. 9.) Measurement of the viscosity of eggs by the use of a torsion pendulum. J. V. Atanasoff and H. L. Wilcke.
- Kans.-82. (In vol. 54, no. 12.) Comparison of the cold resistance of several varieties of winter wheat in transition from dormancy to active growth. H. H. Laude.
- Minn.-98. (In vol. 54, no. 9.) Failure of diakinesis and metaphase pairing and the behavior during meiosis of univalent chromosomes in *Zea mays*. LeRoy Powers and A. O. Dahl.
- Tex.-17. (In 54, no. 9.) Localization of pentosans in the resin glands of the cotton embryo. R. G. Reeves and J. O. Beasley.

Journal of agricultural research. Vol. 55, no. 2, July 15; no. 3, August 1, 1937. Illus.

Monthly weather review. Vol. 65, no. 5, May 1937. Illus. Price 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Public roads. Vol. 17, March 1936-February 1937. Index; vol. 18, no. 5, July; no. 6, August 1937. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Soil conservation. Vol. 2, July 1936-June 1937. Index; vol. 3, no. 2, August 1937. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

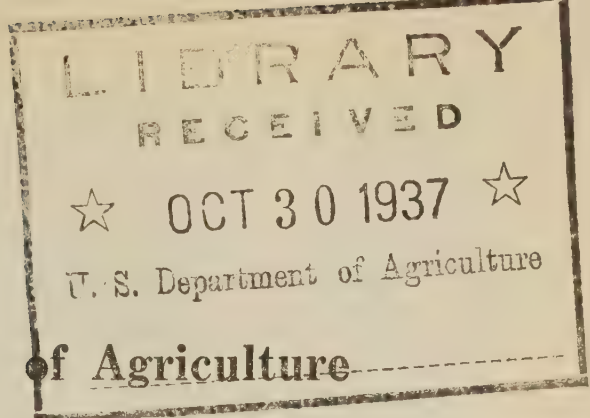
Weekly weather and crop bulletin. Nos. 31-34, August 3-24, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.²

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-72. What about wheat in 1938? 8 p., illus.³

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.



United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

SEPTEMBER 1937

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FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

- Planting and care of shelterbelts on the northern Great Plains. Robert Wilson, Bureau of Plant Industry; revised by Ernest J. George, Bureau of Plant Industry. 25 p., illus. (F. B. 1603F., rev.) Price, 5¢.
- Local bird refuges. W. L. McAtee, Bureau of Biological Survey. 14 p., illus. (F. B. 1644F., rev.) Price, 5¢.
- How to fight the chinch bug. C. M. Packard and Curtis Benton, Bureau of Entomology and Plant Quarantine. 22 p., illus. (F. B. 1780F.) Price, 10¢.
- Diseases of upland game birds. J. E. Shillinger and L. C. Morley, Bureau of Biological Survey. 34 p., illus. (F. B. 1781F.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

- Comparison of various forms of milo grain for fattening steers in the southern Great Plains. W. H. Black, Bureau of Animal Industry, J. M. Jones, Texas Agricultural Experiment Station, and F. E. Keating, Bureau of Plant Industry. 16 p., illus. (T. B. 581T.) Price, 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

- Parasitization of the Mediterranean fruitfly in Hawaii, 1914-33. H. F. Willard and A. C. Mason, Bureau of Entomology and Plant Quarantine. 18 p., illus. (Cir. 439C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

- A revision of the leafhoppers of the Macrosteles group (Cicadula of authors) in America north of Mexico. H. E. Dorst, Bureau of Entomology and Plant Quarantine. 24 p., illus. (M. P. 271M.) Price, 5¢.
- Plans of farm buildings for Northeastern States. Bureau of Agricultural Engineering and Extension Service, in cooperation with 12 colleges and universities and their cooperative extension services in agriculture and home economics. 128 p., illus. (M. P. 278M.) Price, 30¢. Restricted distribution.
- Economic survey of the live-poultry industry in New York City. Gordon W. Sprague and Alexander Sturges, Bureau of Agricultural Economics, and James H. Radabaugh, Agricultural Adjustment Administration. 116 p., illus. (M. P. 283M.) Price, 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notice of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry. Service and regulatory announcements. August 1937. Pp. 85-96. (S. R. A.-B. A. I. 364.) Price, 5¢.¹

Rules and regulations of the Secretary of Agriculture under the Commodity Exchange Act. General provisions (Art. I) and special provisions applicable to grains and flaxseed (Art. II) promulgated July 14, 1937. Commodity Exchange Administration. 34 p.²

Amendment of July 8, 1930, to Federal Food and Drugs Act and requirements thereunder. Food and Drug Administration. 14 p. (S. R. A.-F. D. no. 4, rev. 4.)²

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

California, Barstow area. (No. 8, series 1933.) 46 p., illus. Price, 45¢.

North Carolina, Chatham County. (No. 7, series 1933.) 48 p., illus. Price, 30¢.

Virginia, Southampton County. (No. 6, series 1933.) 37 p., illus. Price, 15¢.

OTHER PUBLICATIONS

Anchoring farmlands in the Ohio Valley region. J. S. Cutler, Soil Conservation Service. 20 p., illus.²

Guides to traffic safety. Bureau of Public Roads. 31 p. Price, 10¢.

Prepared by the Executive Committee of the National Conference on Street and Highway Safety to outline methods suggested by experience for dealing with current pressing problems of street and highway safety. Of special interest to school teachers. Cannot be supplied in quantities for use as textbooks.

Plant material introduced by the Division of Plant Exploration and Introduction, Bureau of Plant Industry, July 1 to September 30, 1934. (Nos. 105933-106560.) 26 p. (Inventory 120.) Price, 5¢.

Report of the Puerto Rico Experiment Station, 1936. 103 p., illus. Price, 20¢.

Report on the agricultural experiment stations, 1936. J. T. Jardine and W. H. Beal. 208 p. Price, 20¢.

Soil and water conservation in the northern Great Plains. Soil Conservation Service. 20 p., illus. Price, 10¢.

Yearbook of agriculture, 1937. 1497 p. For sale only. Price, \$2 (vellum).

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-73. City pocketbooks and the farmer. 8 p., illus.³

G-74. Some facts about potatoes. 4 p.³

G-75. Crop insurance for wheat. 8 p.³

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no. 9, September 1, 1937. Price 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹

Crops and markets. Vol. 13, 1936, Index; vol. 14, no. 8, August 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demands, both foreign and domestic.

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Farmers' Bulletins	Leaflets	Other Publications

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.¹

Experiment station record. Vols. 61-70, 1924-34. General index. Price 75¢. Restricted distribution. Vol. 77, no. 4, October 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.¹

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 8, no. 9, September 1937. Illus. Price 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price \$3.25 a year; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

——— Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

Calif.-84. (In vol. 55, no. 1.) A transmissible mosaic disease of cauliflower. C. M. Tompkins.

Calif.-85. (In vol. 55, no. 1.) Relation of certain dietary essentials to fertility in sheep. George H. Hart and Robert F. Miller.

E-70. (In vol. 55, no. 1.) Selenium in plants in relation to its occurrence in soils. John T. Miller and Horace G. Byers.

Ill.-65. (In vol. 54, no. 12.) The development of the oat panicle. O. T. Bonnett.

K-283. (In vol. 54, no. 12.) The influence of colony populations on honey production. C. L. Farrar.

K-284. (In vol. 55, no. 1.) Effects of the alkaloid nicotine on the rhythmicity of isolated heart preparations from *Periplaneta americana* and *Prodenia eridania*. J. Franklin Yeager and J. B. Gahan.

K-285. (In vol. 55, no. 1.) The beet leafhopper in the central Columbia River breeding area. Orin A. Hills.

Kans.-81. (In vol. 54, no. 12.) Cold resistance of winter wheat, rye, barley, and oats in transition from dormancy to active growth. H. H. Laude.

W. Va.-12. (In vol. 54, no. 12.) Soil properties determining the botanical composition of pastures in West Virginia. R. R. Robinson.

Wash.-29. (In vol. 55, no. 1.) The susceptibility of potatoes to the vein-banding virus. Leon K. Jones and C. L. Vincent.

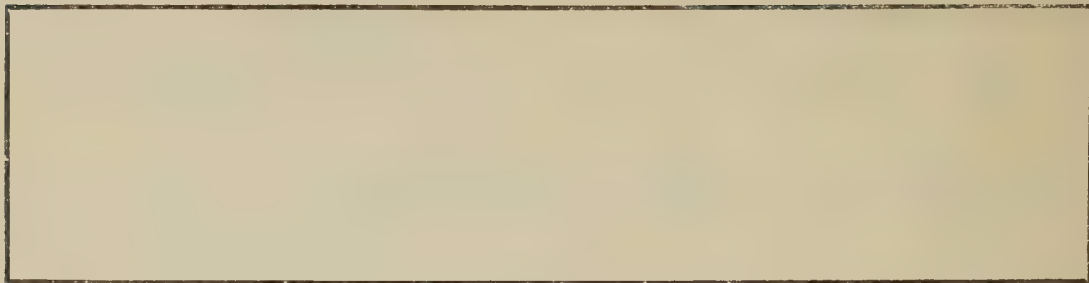
¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² May be obtained from the issuing bureau.

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9-37

Journal of agricultural research. Vol. 54, January 1-June 15, 1937. Index; vol. 55, no. 4, August 15, 1937. Illus.

Monthly weather review. Vol. 65, no. 6, June 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 18, no. 7, September 1937. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Soil conservation. Vol. 3, no. 3, September 1937. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 35-39, August 31-September 28, 1936. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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MONTHLY LIST OF PUBLICATIONS

OCTOBER 1937

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The Nichols terrace: An improved channel-type terrace for the Southeast. Jerome J. Henry and M. L. Nichols, Soil Conservation Service. 13 p., illus. (F. B. 1790F.) Price, 5¢.

Flaxseed production in the Far Western States. A. C. Dillman, Bureau of Plant Industry, and L. Gordon Goar, California Agricultural Experiment Station. 22 p., illus. (F. B. 1793F.) Price 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletin except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Fires on farms. Harry E. Roethe, Bureau of Chemistry and Soils. 7 p., illus. (Leaf. 44L, rev.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Family living in Knott County, Kentucky. Faith M. Williams, Hazel K. Stiebeling, Idella G. Swisher, and Gertrude Schmidt Weiss, Bureau of Home Economics. 69 p., illus. (T. B. 576T.) Price, 10¢.

The sterilization of wool and its effect on physical and chemical properties of a wool fabric. Harry Humfeld, Bureau of Plant Industry, and Ruth E. Elmquist and James H. Kettering, Bureau of Home Economics. 27 p., illus. (T. B. 588T.) Price, 5¢.

DEPARTMENT CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletins. This series ended in 1927 and is succeeded by the Circular series.

Field and office records for extension workers. M. C. Wilson and Lucinda Crile. Extension Service. 36 p., illus. (D. C. 107DC., rev.) Price, 10¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Treat seed grain. A. G. Johnson, R. J. Haskell, and R. W. Leukel, Bureau of Plant Industry. 7 p., illus. (M. P. 219MP., rev.) Price, 5¢.

Soil survey manual. Charles E. Kellogg, Bureau of Chemistry and Soils. 136 p., illus. (M. P. 274MP.) Price, 35¢.

Officials and organizations concerned with wildlife protection, 1937. Frank G. Grimes, Bureau of Biological Survey. 15 p. (M. P. 276M.) Price, 5¢.

Sales of cotton for future delivery, 1925-26 to 1935-36. Ronald E. Betts, Bureau of Agricultural Economics. 42 p., illus. (M. P. 282MP.) Price, 10¢.

Federal legislation, regulations, and rulings affecting cooperative extension work in agriculture and home economics. 31 p. (M. P. 285M.) Price, 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Mosaic diseases of wheat and related cereals. H. H. McKinney, Bureau of Plant Industry. 23 p., illus. (Cir. 442C.) Price, 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

United States standards for apples. Bureau of Agricultural Economics, service and regulatory announcements no. 154. 8 p. (S. R. A., B. A. E. 154.)¹

Bureau of Animal Industry. Service and regulatory announcements. September 1937. Pp. 97-107. (S. R. A.-B. A. I. 365.) Price, 5¢ each.²

Text of Federal laws relating to the protection of wildlife. Bureau of Biological Survey, service and regulatory announcements. 28 p. (S. R. A.-B. S. 87.)¹

Supplementary regulations for the administration of the Okefenokee Wildlife Refuge, Georgia. Bureau of Biological Survey, service and regulatory announcements. 3 p. (S. R. A.-B. S. 89.)¹

Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. April-June 1937. Pp. 89-205. (S. R. A.-B. E. P. Q. No. 131.)¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 67-95. (N. J., F. D. 27151-27225.) Foods.¹

Notices of judgment under the Insecticide Act. Food and Drug Administration. Pp. 325-342. (N. J., I. F. 1526-1550.)¹

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Carlot shipments of fruits and vegetables from stations in the United States for the calendar years 1934 and 1935. Bureau of Agricultural Economics. 141 p. (S. B. 61S.) Price, 15¢.

Stumpage and log prices for the calendar year 1936. Henry B. Steer, Forest Service. 59 p., illus. (S. B. 62S.) Price, 10¢.

OTHER PUBLICATIONS

Erosion control in the Northeast. Soil Conservation Service. [24 p.] illus.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-76. Farm solidarity. 8 p.³

G-77. Agricultural conservation in 1938—Why? 14 p., illus.³

W. R. Leaflet No. 104. A. A. A. Conservation guide for women. Western region—1937.³

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no. 10, October 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and the prices of the important farm products.

Crops and markets. Vol. 14, no. 9, September 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demands, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Extension service review. Vol. 8, no. 10, October 1937. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

— Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

Calif.-86. (In vol. 55, no. 2.) Observations of pathogenic and antigenic effects of *Brucella abortus*, United States Bureau of Animal Industry strain 19. C. M. Haring and J. Traum.

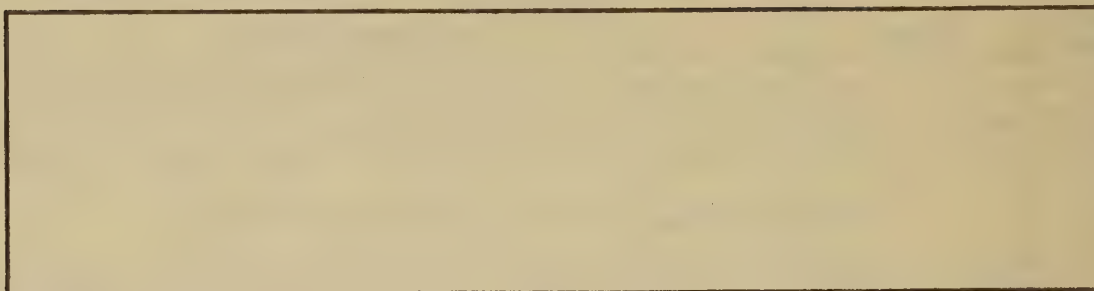
F-84. (In vol. 55, no. 3.) A simplified method of constructing merchantable board-foot volume tables. R. H. Blythe, Jr.

G-1054. (In vol. 55, no. 2.) Observations on the effect of environmental conditions on the structure of the lateral roots in sugar beet. Ernst Artschwager.

G-1055. (In vol. 55, no. 2.) Effect of the dwarf disease on the alfalfa plant. J. L. Weimer.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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G-1056. (In vol. 55, no. 2.) Inheritance of resistance to pythium root rot in sorghum. D. H. Bowman, J. H. Martin, L. E. Melchers, and John H. Parker.

G-1057. (In vol. 55, no. 3.) *Rhynchosporium* scald of barley, rye, and other grasses. Ralph M. Caldwell.

Kans.-83. (In vol. 55, no. 3.) Observations on the biology of the wheat-stem maggot in Kansas. Merle W. Allen and Reginald H. Painter.

Minn.-99. (In vol. 55, no. 2.) Further studies on the interrelationship of insects and fungi in the deterioration of felled Norway pine logs. J. G. Leach, L. W. Orr, and Clyde Christensen.

N. Dak.-15. (In vol. 55, no. 2.) Studies on the inheritance and development of fruit size and shape in the tomato. A. F. Yeager.

W. Va.-13. (In vol. 55, no. 2.) An undescribed potato disease in West Virginia. C. R. Orton and L. M. Hill.

Journal of agricultural research. Vol. 55, no. 5, September 1; no. 6, September 15; no. 7, October 1, 1937. Illus.

Monthly weather review. Vol. 65, no. 7, July 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 18, no. 8, October 1937. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 4, October 1937. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 40-43, October 5-26, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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MONTHLY LIST OF PUBLICATIONS

NOVEMBER 1937

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

- Fabrics and designs for children's clothes. Clarice Louisba Scott and Margaret Smith, Bureau of Home Economics. 23 p., illus. (F. B. 1778F.) Price, 5¢.
- Conserving Corn Belt soils. Glenn K. Rule, Soil Conservation Service. 59 p., illus. (F. B. 1795F.) Price, 15¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

- Cockroaches and their control. E. A. Back, Bureau of Entomology and Plant Quarantine. 6 p., illus. (Leaf. 144L.) Price, 5¢.
- House ants. E. A. Back, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 147L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

- Investigations of the market diseases of cantaloups and Honey Dew and Honey Ball melons. James S. Wiant, Bureau of Plant Industry. 48 p., illus. (T. B. 573T.) Price, 15¢.
- Rate of flow of capillary moisture. M. R. Lewis, Bureau of Agricultural Engineering, and Oregon Agricultural Experiment Station. 30 p., illus. (T. B. 579T.) Price, 5¢.
- Toxicity of arrowgrass for sheep and remedial treatment. A. B. Clawson and E. A. Moran, Bureau of Animal Industry. 16 p. (T. B. 580T.) Price, 5¢.
- Experiments on breeding corn resistant to the European corn borer. Marion T. Meyers, formerly in Bureau of Plant Industry; L. L. Huber and C. R. Neiswander, Ohio Agricultural Experiment Station; and F. D. Richey and G. H. Stringfield, Bureau of Plant Industry. 30 p., illus. (T. B. 583T.) Price, 10¢.
- Sources of moisture for precipitation in the United States. Benjamin Holzman, Soil Conservation Service. 42 p., illus. (T. B. 589T.) Price, 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

- American grape varieties. I. W. Dix and J. R. Magness, Bureau of Plant Industry. 34 p., illus. (Cir. 437C.) Price, 10¢.
- Experiments with certain copper compounds as bunt fungicides. O. A. Nelson, Bureau of Entomology and Plant Quarantine, and R. W. Leukel, Bureau of Plant Industry. 8 p., illus. (Cir. 452C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Protect white pine from blister rust. J. F. Martin, Bureau of Entomology and Plant Quarantine in cooperation with affected States. [Folder,] illus. (M. P. 22M., rev.) Price, 5¢.

A graphic summary of the number, size, and type of farm, and value of products based largely on the census of 1930 and 1935). O. E. Baker, Bureau of Agricultural Economics. 76 p., illus. (M. P. 266M.) Price, 10¢.

Utility of jack rabbit and cottontail skins. Chas. E. Kellogg, Bureau of Biological Survey. 8 p. (M. P. 289M.) Price, 5¢.

Soil conservation districts for erosion control. Soil Conservation Service. 19 p., illus. (M. P. 293M.) Price, 10¢.

The farm outlook for 1938. Bureau of Agricultural Economics. 43 p., illus. (M. P. 298M.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Black stem rust quarantine. Quarantine no. 38. Revision of quarantine and regulations. Effective September 1, 1937. Bureau of Entomology and Plant Quarantine. 4 p. (B. E. P. Q.-Q. 38.)¹

Notices of judgment under the Caustic Poison Act. Food and Drug Administration. 10 p. (N. J., C. P. 59-81.)¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 97-128. (N. J. F. D. 27226-27275.) Drugs; pp. 131-161. (N. J., F. D. 27276-27350.) Foods.¹

OTHER PUBLICATIONS

An analysis of the effects of the processing taxes levied under the Agricultural Adjustment Act. Bureau of Agricultural Economics. 111 p., illus. Price, 15¢.

Average conditions of wind and weather, north Pacific Ocean. Compiled for the information of ocean travelers from data in the Marine Division of the Weather Bureau. Willis Edwin Hurd. 12 p. Price, 5¢.

Report of the Chief of the Bureau of Dairy Industry, 1937. O. E. Reed. 36 p. Price, 10¢.

Report of the Chief of the Bureau of Public Roads, 1937. Thomas H. MacDonald. 17 p. Price, 10¢.

Report of the Chief of the Commodity Exchange Administration, 1937. J. W. T. Duvel. 21 p. Price, 5¢.

Report of the Chief of the Food and Drug Administration, 1937. W. G. Campbell. 24 p. Price, 5¢.

Report of the Chief of the Office of Experiment Stations, 1937. James T. Jardine. 10 p. Price, 5¢.

Report of the Chief of the Weather Bureau, 1937. Willis Ray Gregg. 16 p. Price, 5¢.

Report of the Director of Information, 1937. M. S. Eisenhower. 12 p. Price, 5¢.

Report of the Secretary of Agriculture, 1937. Henry A. Wallace. 115 p. Price, 15¢.

Report of the Solicitor, 1937. Mastin G. White. 32 p. Price, 10¢.

¹ These may be obtained from the issuing bureau.

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Farmers' Bulletins	Leaflets	Other Publications

Rules and regulations of the Secretary of Agriculture under the Commodity Exchange Act. Articles I and II issued July 1937; articles III to VII issued August 1937. Commodity Exchange Administration. 55 p. Price, 10¢.

The response of Government to agriculture. Arthur P. Chew. 107 p. Price, 15¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

CAP-102. 1937 cotton price adjustment payment plan. 4 p.²

G-78. Charting the course for cotton. 8 p.²

NER Leaflet No. 201. The 1938 agricultural conservation program in the Northeast. 4 p.²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 21, no. 11, November 1, 1937. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.³

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and the prices of the important farm products.

Crops and markets. Vol. 14, no. 10, October 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.³

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.³

Experiment station record. Vol. 72, no. 5, November; no. 6, December 1937. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.50 per volume, foreign. Single number for sale only. Price, 15¢.³

A technical view of the world's scientific literature pertaining to agriculture.

Journal of agricultural research. Price \$3.25 a year; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.³ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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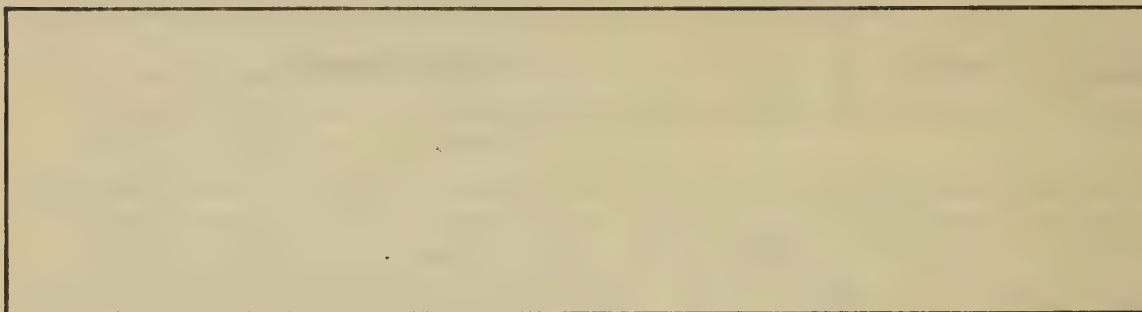
² These may be obtained free upon application to the Agricultural Adjustment Administration.

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made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

G-1058. (In vol. 55, no. 4.) Growth and development of *Dictyostelium discoideum* with different bacteriological associates. Kenneth B. Raper.

G-1059. (In vol. 55, no. 5.) Susceptibility to *Cronartium ribicola* of the four principal *Ribes* species found within the commercial range of *Pinus monticola*. J. L. Mielke, T. W. Childs, and H. G. Lachmund.

G-1065. (In vol. 55, no. 5.) *Mermis subnigrescens*, a nematode parasite of grasshoppers. J. R. Christie.

I-21. (In vol. 55, no. 4.) Comparative conformation, anatomy, and udder characteristics of cows of certain beef and dairy breeds. W. W. Sweet, Fred W. Miller, R. R. Graves, W. H. Black, and G. T. Creech.

K-286. (In vol. 55, no. 3.) The biology of *Platygaster herrickii*, a parasite of the hessian fly. C. C. Hill and W. T. Emery.

Journal of agricultural research. Vol. 55, no. 8, October 15, 1937. Illus.

Monthly weather review. Vol. 65, no. 8, August 1937. Illus. Price 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.³ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 18, no. 9, November 1937. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.³

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 5, November 1937. Price, 10¢ a copy; \$1 a year, domestic.³

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 44-47, November 2-23, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.³

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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MONTHLY LIST OF PUBLICATIONS

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

Feeding wildlife in winter. Wallace B. Grange, Bureau of Biological Survey. 21 p., illus. (F. B. 1783F.) Price, 5¢.

Fireproofing fabrics. Martin Leatherman, Bureau of Chemistry and Soils. 9 p., illus. (F. B. 1786F.) Price, 5¢.

Internal parasites of swine. Benjamin Schwartz, Bureau of Animal Industry. 46 p., illus. (F. B. 1787F.) Price, 10¢.

Wildlife conservation through erosion control in the Piedmont. Ross O. Stevens, Soil Conservation Service. 26 p., illus. (F. B. 1788F.) Price, 5¢.

Hospitals for rural communities. Blanche Halbert, Farm Security Administration. 42 p., illus. (F. B. 1792F.) Price, 5¢.

LEAFLETS

Production of chicory and endive. W. R. Beattie, Bureau of Plant Industry. 6 p., illus. (Leaf. 133L.) Price, 5¢.

Production of parsley. J. H. Beattie, Bureau of Plant Industry. 5 p., illus. (Leaf. 136L.) Price, 5¢.

Rhubarb forcing. J. H. Beattie, Bureau of Plant Industry. 4 p., illus. (Leaf. 137L.) Price, 5¢.

Production of garlic. J. H. Beattie, Bureau of Plant Industry. 5 p., illus. (Leaf. 138L.) Price, 5¢.

Production of roselle. J. H. Beattie, Bureau of Plant Industry. 4 p., illus. (Leaf. 139L.) Price, 5¢.

Production of peppers. J. H. Beattie and S. P. Doolittle, Bureau of Plant Industry. 4 p. (Leaf. 140L.) Price, 5¢.

Production of pumpkins and squashes. Ross C. Thompson, Bureau of Plant Industry. 8 p., illus. (Leaf. 141L.) Price, 5¢.

Production of turnips and rutabagas. W. R. Beattie, Bureau of Plant Industry. 4 p. (Leaf. 142L.) Price, 5¢.

Production of kale. Ross C. Thompson, Bureau of Plant Industry. 4 p., illus. (Leaf. 143L.) Price, 5¢.

Bedbugs. E. A. Back, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 146L.) Price, 5¢.

Silverfish. E. A. Back, Bureau of Entomology and Plant Quarantine. 4 p., illus. (Leaf. 149L.) Price, 5¢.

Effects of feeds and saw speeds on cotton turn-out and quality. Charles A. Bennett, Bureau of Agricultural Engineering, and Francis L. Gerdes, Bureau of Agricultural Economics. 4 p., illus. (Leaf. 151L.) Price, 5¢.

How to control fleas. F. C. Bishopp, Bureau of Entomology and Plant Quarantine. 4 p., illus. (Leaf. 152L.) Price, 5¢.

TECHNICAL BULLETINS

- Bacterial wilt of corn. Frederick V. Rand and Lillian C. Cash, Bureau of Plant Industry. 32 p., illus. (T. B. 362T., rev.) Price, 5¢.
- Studies on bunt, or stinking smut, of wheat and its control. R. W. Leukel, Bureau of Plant Industry. 48 p., illus. (T. B. 582T.) Price, 10¢.
- Relation of stable environment to milk production. M. A. R. Kelley, Bureau of Agricultural Engineering; and I. W. Rupel, University of Wisconsin. 60 p., illus. (T. B. 591T.) Price, 15¢.

CIRCULARS

- Yield and quality of sugar beets from various rotations at the Scotts Bluff (Nebr.) Field Station, 1930-35. S. B. Nuckols, Bureau of Plant Industry. 15 p. (Cir. 444C.) Price, 5¢.
- The iris thrips and its control by hot water, with notes on other treatments. Floyd F. Smith, Bureau of Entomology and Plant Quarantine, and L. G. Utter, Brooklyn Botanic Garden. 12 p., illus. (Cir. 445C.) Price, 5¢.
- The freezing temperatures of some fruits, vegetables and florists' stocks. R. C. Wright, Bureau of Plant Industry. 11 p. (Cir. 447C.) Price, 5¢.
- Planning, constructing, and operating forest-fire lookout systems in California. S. B. Show, E. I. Kotok, George M. Gowen, J. R. Curry, and A. A. Brown, Forest Service. 56 p., illus. (Cir. 449C.) Price, 10¢.
- Drying Kieffer pears and the use of the dried product. C. W. Culpepper and H. H. Moon, Bureau of Plant Industry. 24 p., illus. (Cir. 450C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

- Directory of the Bureau of Entomology and Plant Quarantine, 1937. August 1937. Bureau of Entomology and Plant Quarantine. 107 p. (M. P. 220M., rev.) Price, 15¢.
- Farm family outlook for 1938. Bureau of Home Economics and Bureau of Agricultural Economics. 11 p., illus. (M. P. 297M.) Price, 5¢.

SOIL SURVEYS

- Nebraska, Boyd County. (No. 9, series 1933.) 44 p., illus. Price, 25¢.
- Nebraska, Keya Paha County. (No. 10, series 1933.) 42 p., illus. Price, 30¢.
- Oklahoma, Greer County. (No. 21, series 1932.) 34 p., illus. Price, 35¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Rules and regulations of the Secretary of Agriculture under the Tobacco Inspection Act. Service and regulatory announcements no. 149, rev. Bureau of Agricultural Economics. (S. R. A.-B. A. E. 149, rev.)¹
- Bureau of Animal Industry. Service and regulatory announcements. October 1937. Pp. 109-122. (S. R. A.-B. A. I. 366.) Price 5¢, each.²
- Modification of pink bollworm quarantine regulations, revision of regulation 3. Effective October 28, 1937. 2 p. (B. E. P. Q.-Q. 52.)¹
- Mexican fruitfly quarantine. Revision of quarantine and regulations. Effective October 15, 1937. Bureau of Entomology and Plant Quarantine. 5 p. (B. E. P. Q.-Q. 64.)¹
- Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. July-September 1937. Pp. 207-256. (S. R. A.-B. E. P. Q. No. 132.)¹
- Index to notices of judgment 26001-27000. Food and Drugs Act. Food and Drug Administration. Pp. 465-498.¹
- Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 163-198. (N. J., F. D. 27351-27400.) Foods.²

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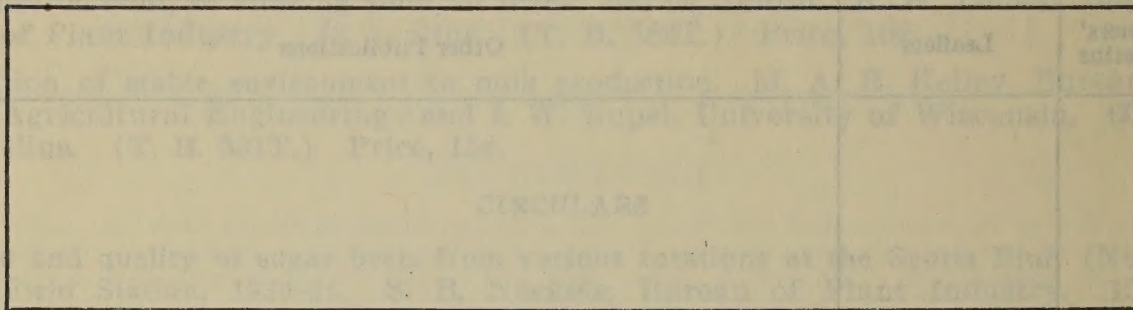
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12-37

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Monthly weather review. Vol. 65, no. 9, September 1937. Illus. Price 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

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Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 6, December 1937. Price 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 48-52, November 30-December 28, 1937. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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